raxter

RACK YOUR BIKE

www.raxterracks.com

OWNER'S MANUAL

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Manual No. M-1169

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I. INTRODUCTION

Congratulations on your purchase of the Raxter bike rack. This rack represents the fusion of creative design, modern material usage and sturdy construction techniques. The Raxter is an easy-to-use, fast loading, and robust design. It is lightweight and thus, easy to install, remove and store. The Raxter provides you with the ultimate value in bike racks.

With proper care, your Raxter should provide you with many years of trouble free service.

Thank you for the purchase of your Raxter.

II. PRECAUTIONS AND WARNINGS

RACK CAPACITY IS 40 POUNDS PER BIKE – 40 POUND TOTAL WEIGHT FOR SINGLE RACKS, 80 POUNDS TOTAL WEIGHT FOR 2 BIKE RACKS, 160 POUNDS FOR 2 BIKE RACKS WITH 2 BIKE EXTENSION.

When using the Quick Pin, be sure to remove finger from button after button is partially engaged in hitch tubing to avoid injury to finger. DO NOT PUSH YOUR FINGER INTO HOLE.

MAKE SURE THAT THE RAXTER IS NOT DIRECTLY IN LINE WITH THE VEHICLE'S EXHAUST. HOT EXHAUST CAN DAMAGE BIKE TIRES AND CAN CAUSE CATASTROPHIC DAMAGE TO YOUR RAXTER. If the Raxter is directly in line with the vehicle's exhaust, add exhaust extensions to deflect hot exhaust away from the Raxter or return your Raxter before using.

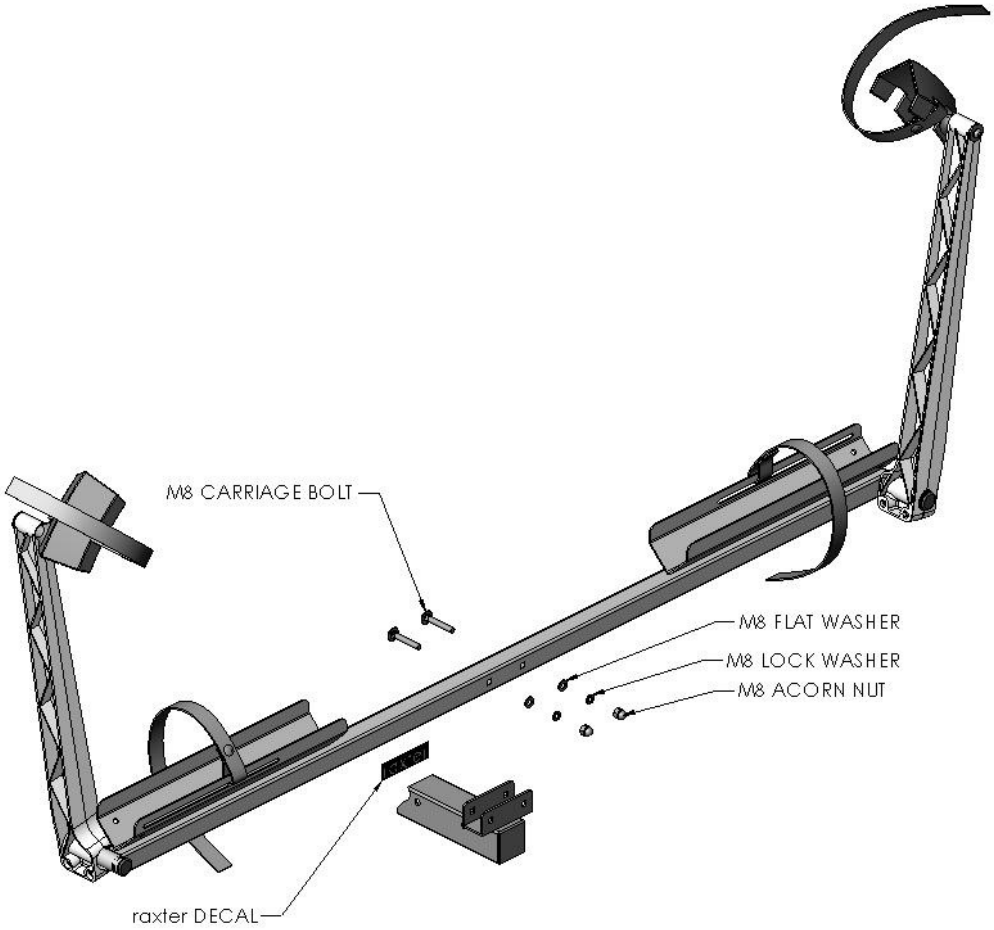
REGULARLY CHECK THAT ALL HARDWARE IS IN PLACE AND TIGHT.
THE CARRIAGE BOLTS USED TO ATTACH CROSSBARS TO THE MAIN TUBE SHOULD BE CHECKED BEFORE EACH USE TO INSURE THEY ARE IN PLACE AND TIGHT.
DO NOT REMOVE OR OVERTIGHTEN SOCKET HEAD CAP SCREWS USED IN CLAMPING THE SWING ARM (Item 5, Figure 2 of Parts Breakdown Section) TO ITS PIVOT. REMOVING OR OVERTIGHTENING THESE SCREWS CAN CAUSE BREAKAGE OF THE SWING ARM AND POSSIBLE LOSS OF BIKE DURING USE. RECOMMENDED TORQUE IS 20 IN-LB. See note in How to Use section.

USE ALL 4 STRAPS PROVIDED FOR SECURING EACH BIKE TO THE RACK. FAILURE TO DO SO COULD CAUSE LOSS OF BIKE DURING USE.

III. ASSEMBLY INSTRUCTIONS

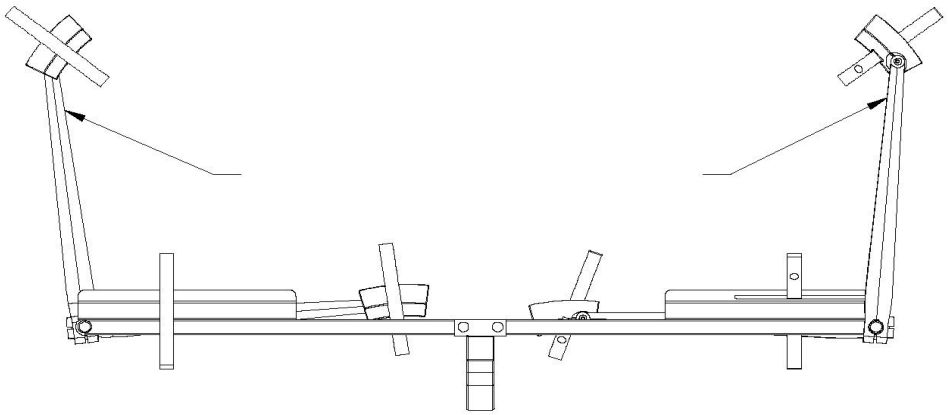
Slide each cross bar assembly into a saddle with wheel trays up. Insert M8 carriage bolts into saddle and install M8 lockwashers, flat washers and acorn nuts onto each carriage bolt and tighten securely. Affix Raxter decal on end crossbar as shown.

Check Acorn nuts for tightness before each use.



IV. HOW TO USE

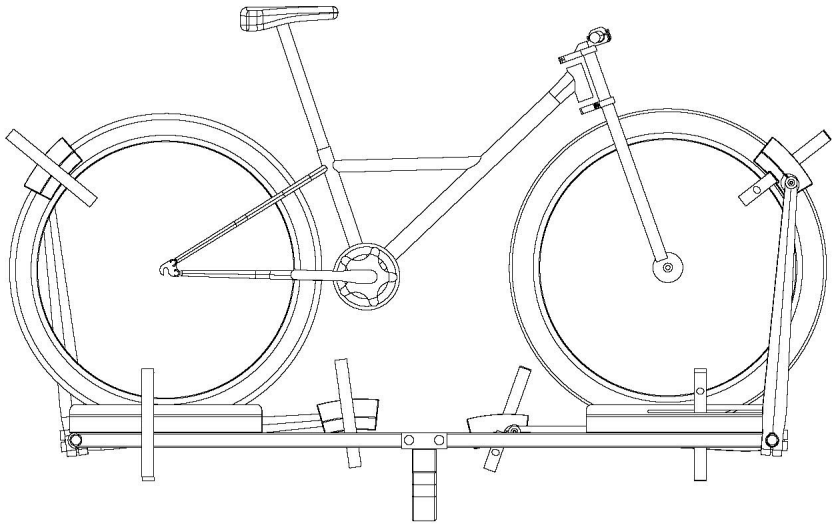
1. Unwrap all straps and pivot swing arms open wide enough to accommodate bicycle.



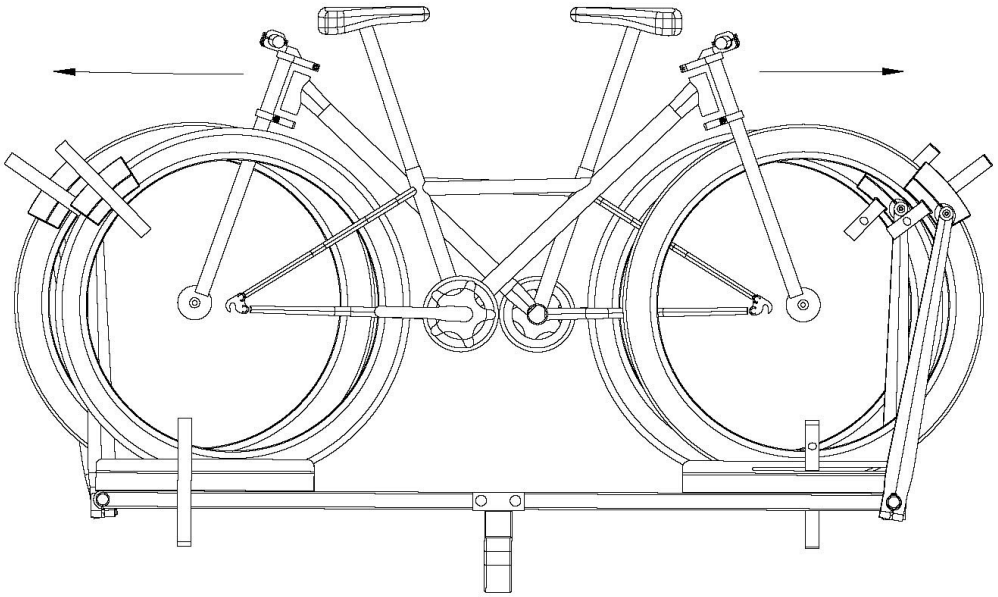
2. Load bike onto rack with each wheel in a wheel tray. Center bike on rack. One at a time, rotate each swing arm and shoe upward until it contacts each tire. Snugly wrap shoe straps around tire and rim, being careful not to wrap a strap over a valve stem. Slide wheel tray straps directly under the center of each wheel and snugly wrap straps around tire and wheel. Make sure that straps do not wrap over a valve stem.

Do not drive vehicle without securing all straps on each bike!

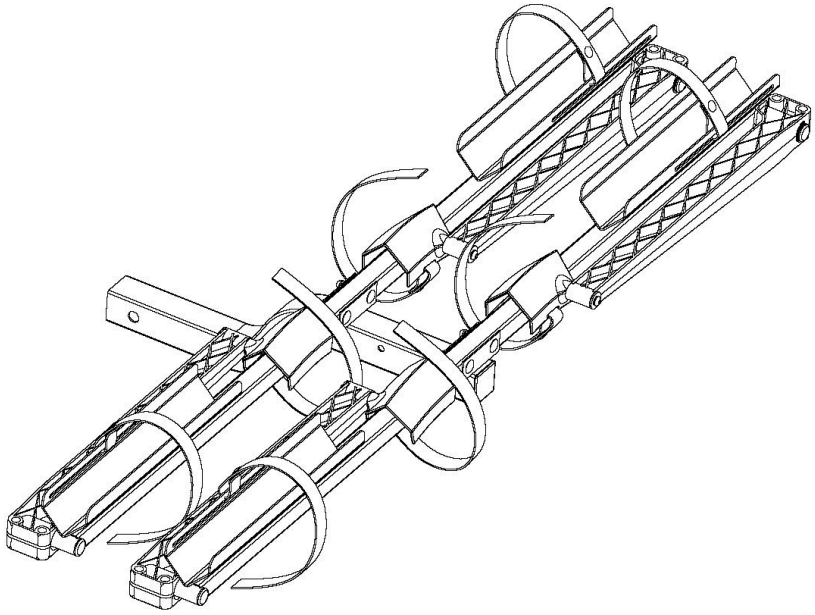
Note: If loading bikes with small rims and tires (such as road bikes) in which the wheel tray straps do not contact rims when straps are wrapped over rim, move strap on front wheel forward and strap on rear wheel rearward so that straps are in firm contact with the rim where rim rises above top of wheel tray due to curvature of rim. This will insure stability of bike(s) during transport and help prevent side to side shifting during extreme cornering.



3. When loading multiple bikes, face each adjacent bike in the opposite directions. It normally eases loading to move each bike a few inches forward allowing seat/seat tube and handlebar clearance. This is a unique feature of your Raxter. Make sure that crank arms, pedals, handlebars and seats/seat tube are not rubbing against one another.



4. When not in use, wrap straps around wheel trays and shoes. Fold swing arms downward until flat.



Note: Proper tightness of socket caps screws (Item4, Figure 1 in Parts Breakdown Section) in the swing arm's pivot clamp is important. Recommended torque is 20 in-lb. The torque of these screws is preset at the factory and under normal circumstances should need no further adjustment. These screws provide for adjustability of rotational resistance of the swing arm and provide structural integrity to the swing arm clamp.

Proper tightness of the screws will allow for rotation resistance of the swing arm of 5 -15 pounds of force at the end of the swing arm opposite the pivot.

Ideally, torque should be adjusted with a torque wrench. However if a torque wrench is not available, tighten (or loosen) each socket head cap screw ¼ turn at a time (¼ turn of one screw, then ¼ turn of the other) checking swing arm rotation resistance after each adjustment until acceptable resistance is achieved.

Under no circumstances should the screws be so tight as to lock the swing arm in place. This prevents proper operation of the rack as well as possibly leading to failure of the swing arm in the clamp area and allowing the potential for loss of bike during use.

Under no circumstances should the screws be removed or loosened to the point that the screws can rattle in their bores. This can also lead to catastrophic failure of the swing arm in the clamp area.

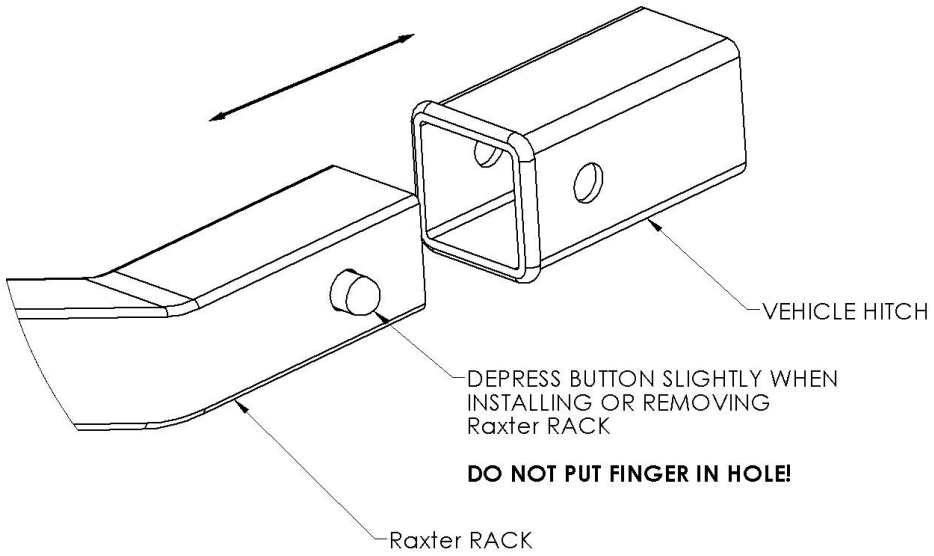
For RAXTER™ Racks equipped with the RAXTER™ Quick Pin:

1. When installing rack, slide rack partially into hitch until button is against the edge of the hitch.
2. Press the button on the Quick Pin then insert rack slightly further into hitch until button is engaged in hitch tubing. If removing rack, press the button and slightly slide rack out of hitch until button is engaged in hitch tubing.
3. Once button is engaged in hitch tubing, remove finger from button and slide rack into hitch until button pops through hitch hole or finish removing rack from hitch.

IMPORTANT!

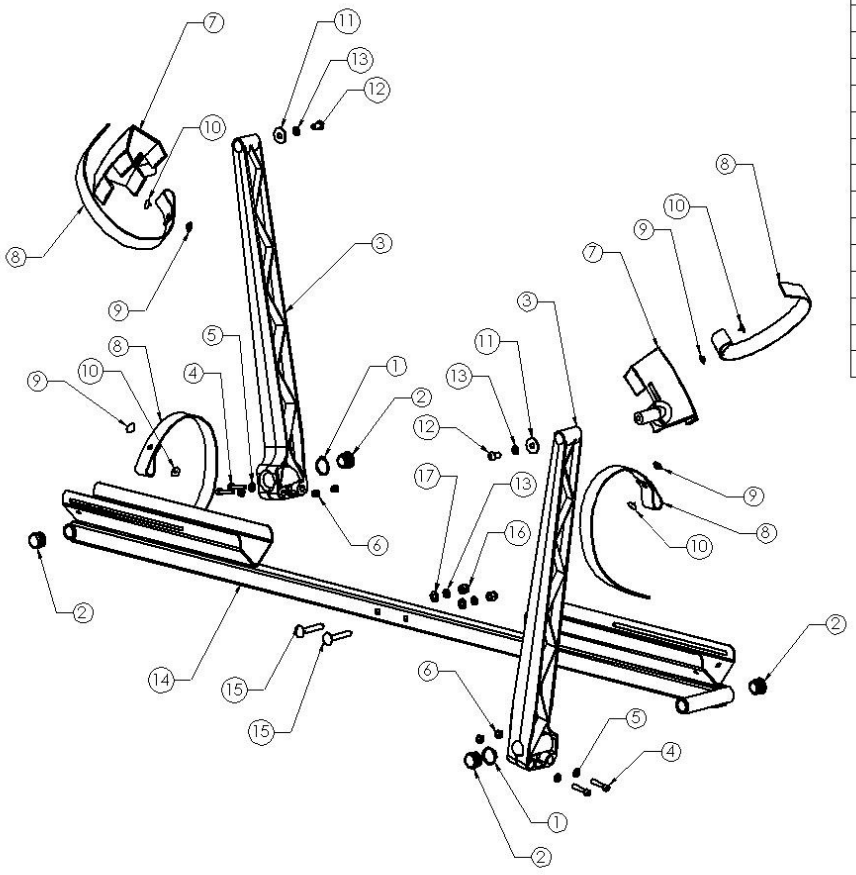
***Be sure to remove finger from button after button is partially engaged in hitch tubing to avoid injury to finger*. DO NOT PUSH YOUR FINGER INTO HOLE. The rack can then be fully installed or removed.**

Make sure Quick Pin Button is fully engaged in hitch hole and give a firm tug on rack to insure rack is properly secured in hitch.



V. PARTS BREAKDOWN

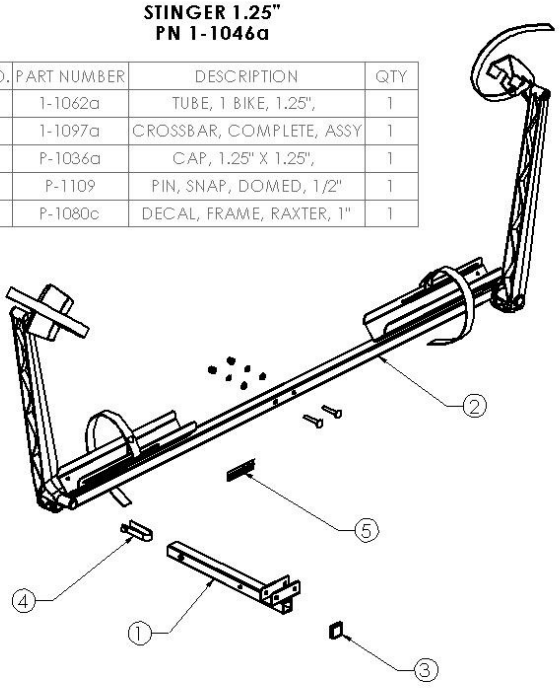
CROSS BAR ASSY
PN 1-1097a



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	P-1043b	RING, RETAINER,	2
2	P-1035	PLUG, END, 1" TUBE	4
3	1-1034b	SWINGARM, WHEEL, IM	2
4	P-1040a	SCREW, SOCKETHEAD	4
5	P-1041a	WASHER, FLAT,	4
6	P-1042a	NUT, LOCK, NYLOCK, M6	4
7	1-1033a	SHOE, WHEEL, IM	2
8	1-1032d	STRAP, WHEEL, VELCRO	4
9	P-1006a	RIVET, FEMALE,	4
10	P-1045a	RIVET, MALE,	4
11	P-1039a	WASHER, FLAT, M8,	2
12	P-1038a	SCREW, BUTTONHEAD,	2
13	P-1044a	WASHER, LOCK, M8	4
14	1-1061c	CROSSBAR, FRAME, ASSY	1
15	P-1058b	BOLT, CARRIAGE, M8X50	2
16	P-1059a	NUT, ACORN, M8	2
17	P-1060a	WASHER, PLAIN, M8	2

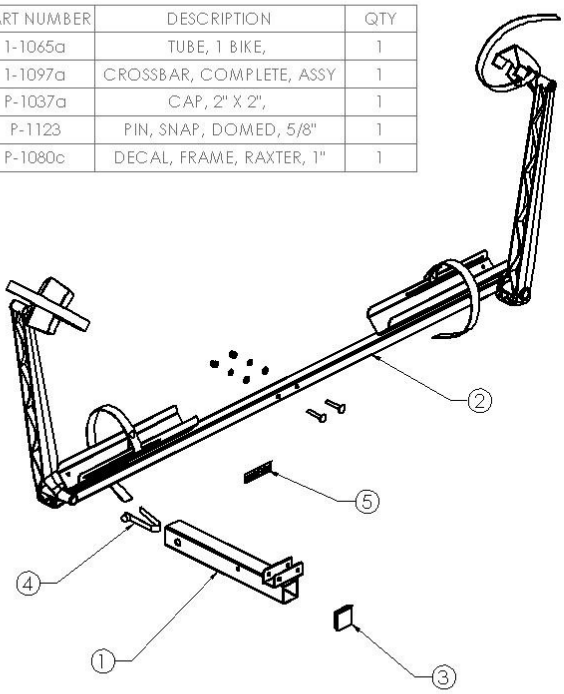
STINGER 1.25"
PN 1-1046a

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	1-1062a	TUBE, 1 BIKE, 1.25",	1
2	1-1097a	CROSSBAR, COMPLETE, ASSY	1
3	P-1036a	CAP, 1.25" X 1.25",	1
4	P-1109	PIN, SNAP, DOMED, 1/2"	1
5	P-1080c	DECAL, FRAME, RAXTER, 1"	1



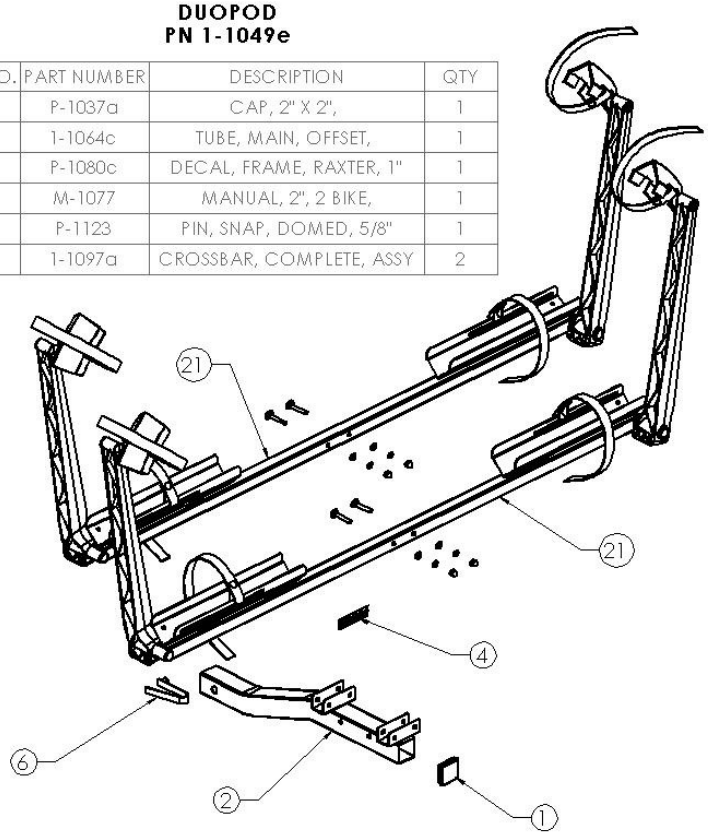
STINGER 2"
PN 1-1047a

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	1-1065a	TUBE, 1 BIKE,	1
2	1-1097a	CROSSBAR, COMPLETE, ASSY	1
3	P-1037a	CAP, 2" X 2",	1
4	P-1123	PIN, SNAP, DOMED, 5/8"	1
5	P-1080c	DECAL, FRAME, RAXTER, 1"	1



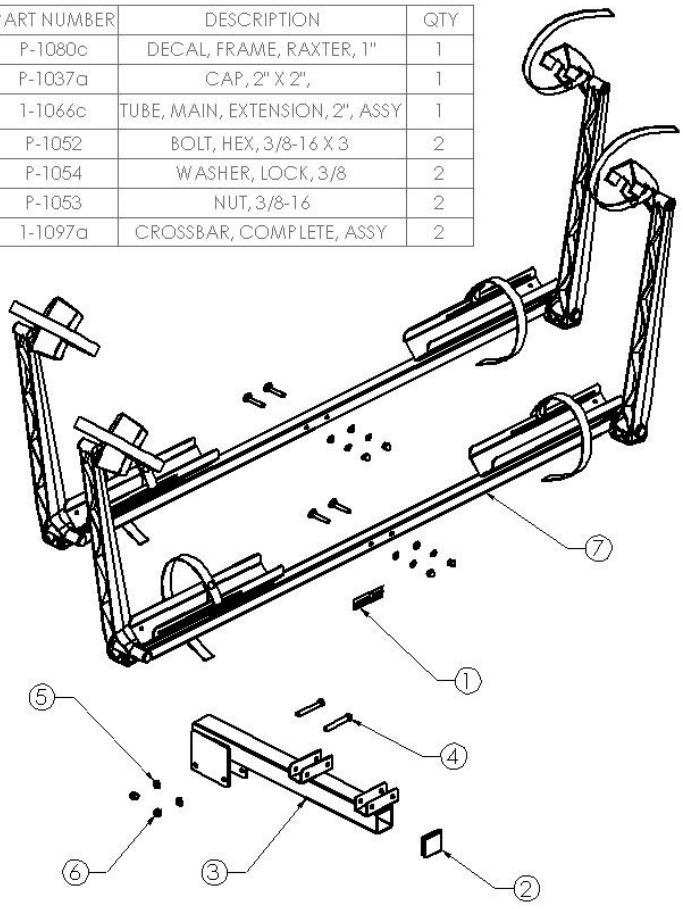
DUOPOD
PN 1-1049e

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	P-1037a	CAP, 2" X 2",	1
2	1-1064c	TUBE, MAIN, OFFSET,	1
3	P-1080c	DECAL, FRAME, RAXTER, 1"	1
4	M-1077	MANUAL, 2", 2 BIKE,	1
5	P-1123	PIN, SNAP, DOMED, 5/8"	1
6	1-1097a	CROSSBAR, COMPLETE, ASSY	2

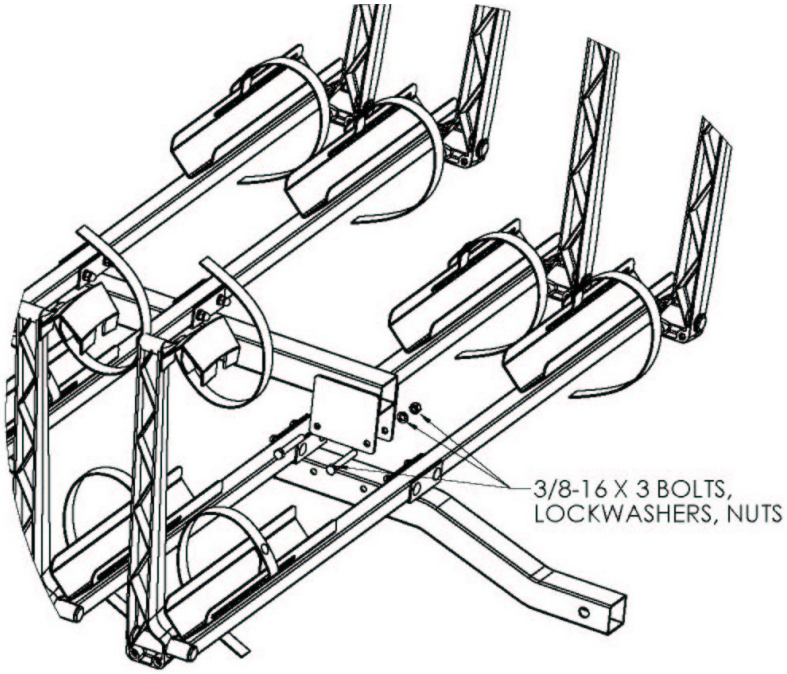


PLUS TWO
PN 1-1051d

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	P-1080c	DECAL, FRAME, RAXTER, 1"	1
2	P-1037a	CAP, 2" X 2",	1
3	1-1066c	TUBE, MAIN, EXTENSION, 2", ASSY	1
4	P-1052	BOLT, HEX, 3/8-16 X 3	2
5	P-1054	WASHER, LOCK, 3/8	2
6	P-1053	NUT, 3/8-16	2
7	1-1097a	CROSSBAR, COMPLETE, ASSY	2

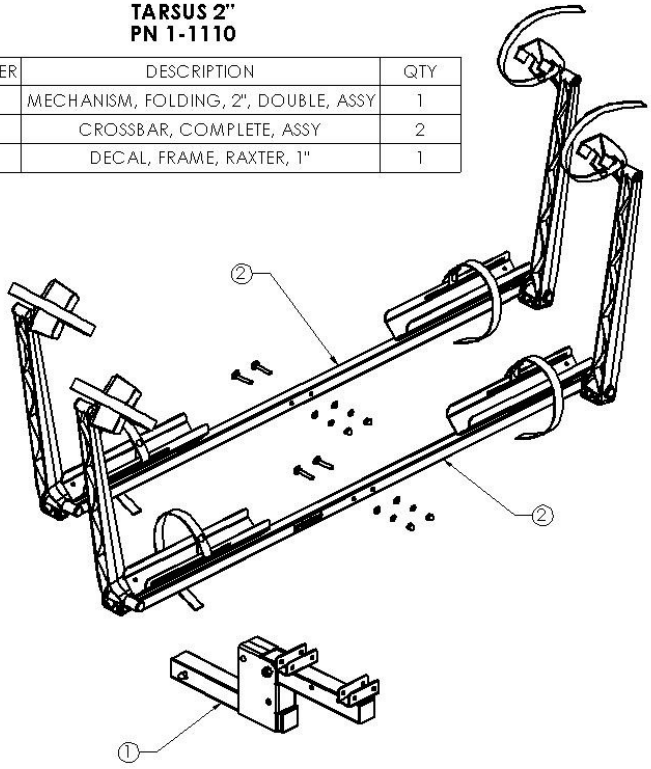


Attach 2-bike extension to rack using 2 3/8-16 x 3 bolts with lock washers and nuts as shown.



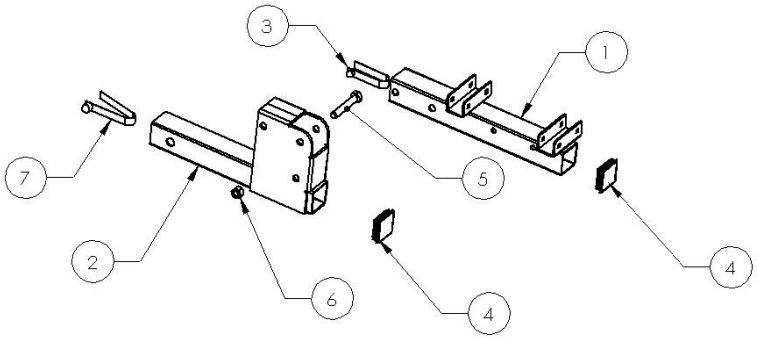
TARSUS 2"
PN 1-1110

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	1-1067	MECHANISM, FOLDING, 2", DOUBLE, ASSY	1
2	1-1097a	CROSSBAR, COMPLETE, ASSY	2
3	P-1080c	DECAL, FRAME, RAXTER, 1"	1

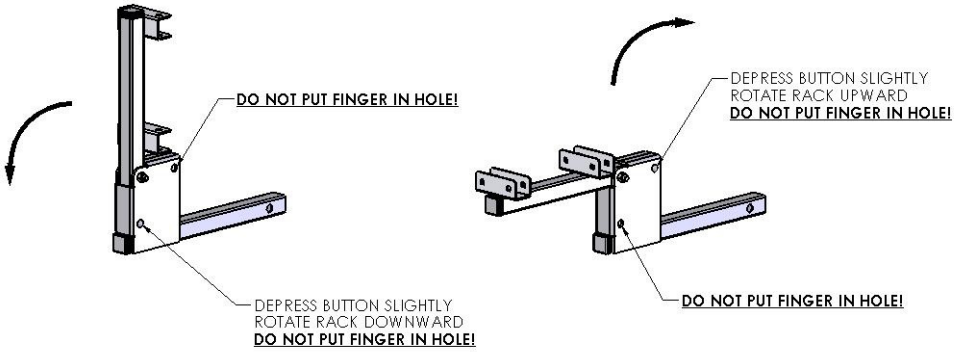


FOLDING MECH 2"
PN 1-1067

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	1-1072	TUBE, MAIN, PIVOT,	1
2	1-1071	TUBE, HITCH, PIVOT,	1
3	P-1109	PIN, SNAP, DOMED, 1/2"	1
4	P-1037a	CAP, 2" X 2",	2
5	P-1113	BOLT, HEX, 1/2-13 X 3, ZINC	1
6	P-1112	NUT, LOCK, 1/2-13, ZINC	1
7	P-1123	PIN, SNAP, DOMED, 5/8"	1

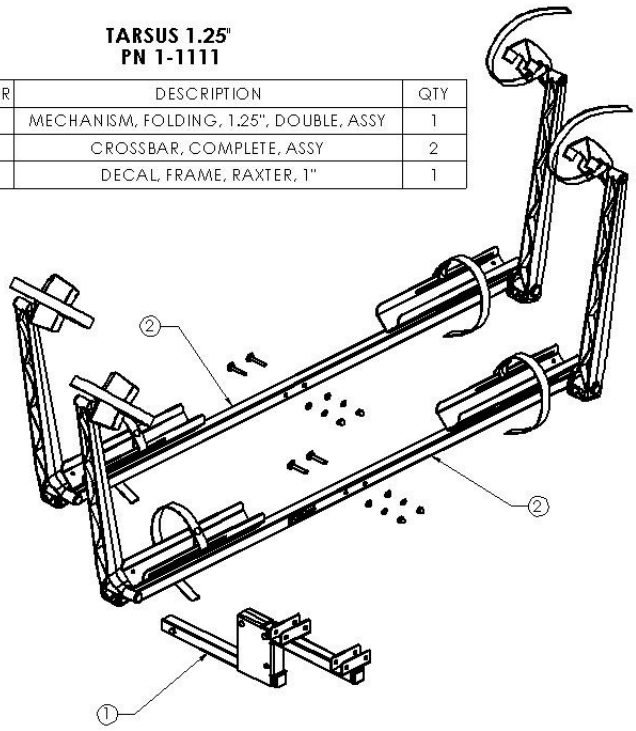


Folding mechanisms for Tarsus and Thorax racks are operated as demonstrated below:


DO NOT PUT FINGER IN HOLE!
DEPRESS BUTTON SLIGHTLY
ROTATE RACK DOWNWARD
DO NOT PUT FINGER IN HOLE!
DEPRESS BUTTON SLIGHTLY
ROTATE RACK UPWARD
DO NOT PUT FINGER IN HOLE!
DO NOT PUT FINGER IN HOLE!

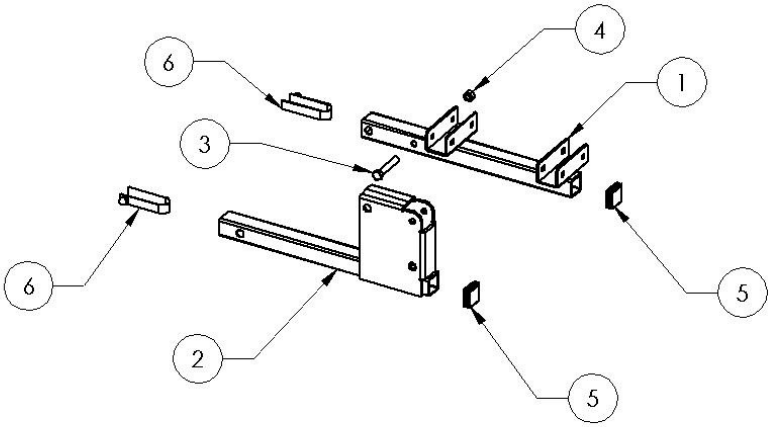
TARSUS 1.25"
PN 1-1111

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	1-1099a	MECHANISM, FOLDING, 1.25", DOUBLE, ASSY	1
2	1-1097a	CROSSBAR, COMPLETE, ASSY	2
3	P-1080c	DECAL, FRAME, RAXTER, 1"	1



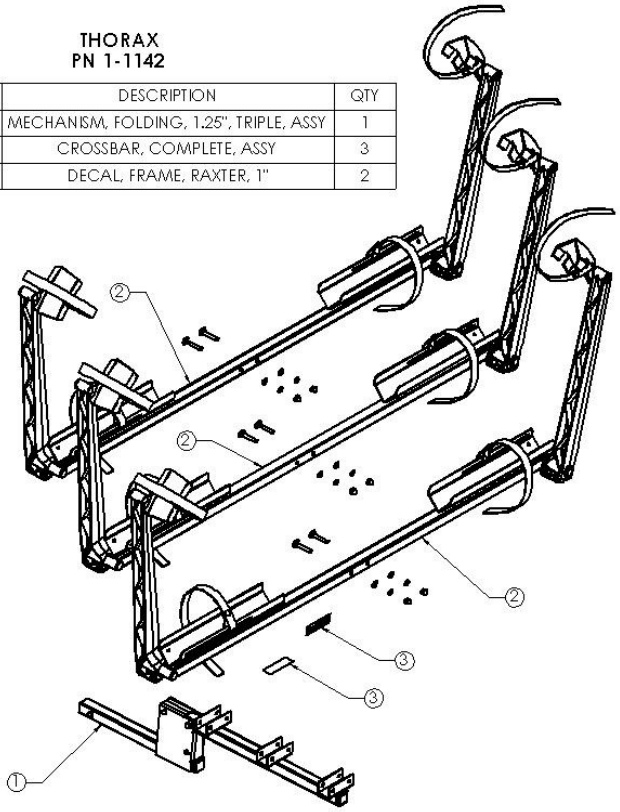
FOLDING MECH 1.25"
PN 1-1099a

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	1-1104	TUBE, MAIN, FOLDING,	1
2	1-1102b	TUBE, HITCH, FOLDING,	1
3	P-1105	BOLT, HEX, 3/8-16 X 2.25	1
4	P-1106	NUT, LOCK, 3/8-16	1
5	P-1036a	CAP, 1.25" X 1.25",	2
6	P-1109	PIN, SNAP, DOMED, 1/2"	2



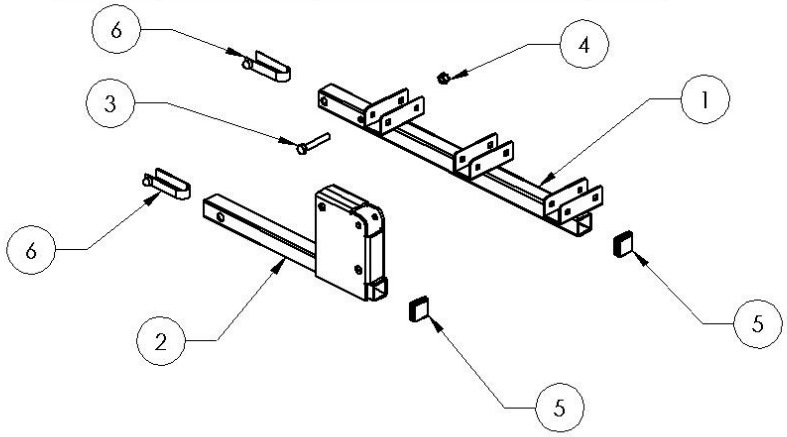
THORAX
PN 1-1142

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	1-1139	MECHANISM, FOLDING, 1.25", TRIPLE, ASSY	1
2	1-1097a	CROSSBAR, COMPLETE, ASSY	3
3	P-1080c	DECAL, FRAME, RAXTER, 1"	2



FOLDING MECH 1.25" 3 BIKE
PN 1-1139

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	1-1140	TUBE, MAIN, FOLDING,	1
2	1-1102b	TUBE, HITCH, FOLDING,	1
3	P-1105	BOLT, HEX, 3/8-16 X 2.25	1
4	P-1106	NUT, LOCK, 3/8-16	1
5	P-1036a	CAP, 1.25" X 1.25",	2
6	P-1109	PIN, SNAP, DOMED, 1/2"	2



VI. WARRANTY AND DISCLAIMER

RAXTER, LLC will warranty all RAXTER, LLC brand car rack systems during the period that an original retail purchaser owns the product. An exception applies to the wheel securing straps, which will be warrantied for a period of 3 years from the time of original purchase. This warranty terminates if a purchaser transfers the product to any other person. Subject to the limitations and exclusions described in this warranty, RAXTER will remedy defects in materials or workmanship by repairing or replacing, at its option, a defective product without charge for parts or labor. In addition, RAXTER may elect, at its option, not to repair or replace a defective product but rather issue to a purchaser a refund equal to the purchase price paid for the product or a credit to be used toward the purchase of a new RAXTER bike rack system. No warranty is given for defects caused by normal wear and tear, cosmetic rust, scratches, accidents, unlawful vehicle operation, or modification of, or any types of repair of, a bike rack system other than those authorized by RAXTER. No warranty is given for defects resulting from conditions beyond RAXTER's control including, but not limited to, misuse, overloading, or failure to assemble, mount or use the product in accordance with RAXTER, LLC's written instructions or guidelines included with the product or made available to the purchaser.

In the event that a product is defective, the purchaser should contact RAXTER in writing or by phone at:

Raxter
Attn: Customer Service
3820 W. El Paso ST
Broken Arrow, OK, 74012
918.706.7987

In the event that a product needs to be returned to RAXTER, a RAXTER technician at the address or telephone number listed above will provide the purchaser with the appropriate mailing address and any additional instructions. Please note that the purchaser will be responsible for the cost of mailing the product to RAXTER and that proof of purchase in the form of an original purchase invoice or receipt and a detailed description of the defect must be included in the mailing.

DISCLAIMER OF LIABILITY

REPAIR OR REPLACEMENT OF A DEFECTIVE PRODUCT OR THE ISSUANCE OF A REFUND OR CREDIT (AS DETERMINED BY RAXTER) IS A PURCHASER'S EXCLUSIVE REMEDY UNDER THIS WARRANTY. DAMAGE TO A PURCHASER'S VEHICLE, CARGO AND/OR TO ANY OTHER PERSON OR PROPERTY IS EXCLUDED. THIS WARRANTY IS EXPRESSLY MADE IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

RAXTER'S SOLE LIABILITY TO ANY PURCHASER IS LIMITED TO THE REMEDY SET FORTH ABOVE. IN NO EVENT WILL RAXTER BE LIABLE FOR ANY LOST PROFITS, LOST SALES, OR FOR ANY CONSEQUENTIAL, DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR PUNITIVE DAMAGES OR FOR ANY OTHER DAMAGES OF ANY KIND OR NATURE.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT BE APPLICABLE.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Raxter CAR RACK SYSTEMS LIMITED LIFETIME WARRANTY [EFFECTIVE JANUARY 1, 2006] Register online at www.raxterracks.com/register